Amendments to the Claims:

1-32 (Canceled).

33. (New)   A method of transmitting information comprising the steps of:

receiving an information signal;

receiving a plurality of coefficients from a remote communication system;

averaging at least one of the coefficients over a plurality of slots;

producing a plurality of weighted information signals from respective coefficients and the information signal; and

transmitting the plurality of weighted information signals from respective antennas.

34. (New)   A method as in claim 33, comprising the steps of:

encoding the information signal;

interleaving the information signal;

symbol mapping the information signal; and

modulating the information signal.

35. (New)   A method as in claim 33, wherein the step of producing a plurality of weighted information signals comprises the steps of:

multiplying the information signal by a first coefficient, thereby producing a first weighted information signal; and

multiplying the information signal by a second coefficient, thereby producing a second weighted information signal.

36. (New)   A method as in claim 35 comprising the steps of:

transmitting the first weighted information signal from a first antenna; and

transmitting the second weighted information signal from a second antenna.

37. (New) A method as in claim 35, wherein the respective coefficients correspond respectively to previously transmitted weighted information signals.

38. (New) A method as in claim 35 comprising the steps of:

transmitting a first set of pilot symbols over a primary common control physical channel (PCCPCH); and

transmitting a second set of pilot symbols and the weighted information signals over a dedicated physical channel (DPCH).